

SEWERAGE (42)

MISSION, GOALS AND BUDGET SUMMARY

AGENCY MISSION:

The mission of the Water and Sewerage Department is to exceed our customers' expectations through the innovative treatment and transmission of water and wastewater and the provision of services that promote healthy communities and economic growth.

AGENCY GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To inform the public of agency operations, especially with regard to sewerage operations.
4. To obtain timely approvals of grant amendments and/or loan applications from State and Federal agencies.

AGENCY FINANCIAL SUMMARY:

2001-02 <u>Requested</u>		2000-01 <u>Budget</u>	2001-02 <u>Recommended</u>	Increase (Decrease)
\$ 187,818,315	Departmental Operations	\$ 178,528,057	\$ 203,085,410	\$ 24,557,353
92,824,000	Debt Service	79,103,200	92,824,000	13,720,800
32,705,400	Capital Appropriations	108,391,816	17,438,305	(90,953,511)
<u>446,562,200</u>	Bonded Capital	<u>-</u>	<u>446,562,200</u>	<u>446,562,200</u>
\$ 759,909,915	Total Appropriations	\$ 366,023,073	\$ 759,909,915	\$ 393,886,842
\$ 399,909,915	Departmental Revenues	\$ 366,023,073	\$ 399,909,915	\$ 33,886,842
<u>360,000,000</u>	Sale of Bonds	<u>-</u>	<u>360,000,000</u>	<u>360,000,000</u>
\$ 759,909,915	Total Revenues	\$ 366,023,073	\$ 759,909,915	\$ 393,886,842
\$ -	NET TAX COST:	\$ -	<u><u>\$ -</u></u>	\$ -

AGENCY EMPLOYEE STATISTICS:

2001-02 <u>Requested</u>		2000-01 <u>Budget</u>	4-1-01 <u>Actual</u>	2001-02 <u>Recommended</u>	Increase (Decrease)
<u>1,499</u>	City Positions	<u>1,477</u>	<u>1,081</u>	<u>1,499</u>	<u>22</u>
1,499	Total Positions	1,477	1,081	1,499	22

ACTIVITIES IN THIS AGENCY:

	2000-01 <u>Budget</u>	2001-02 <u>Requested</u>	Increase (Decrease)
Administrative Services	\$ 16,403,534	\$ 20,833,561	\$ 4,430,027
Financial Services	12,515,094	12,859,560	344,466
Facilities Management	16,712,895	18,738,335	2,025,440
Engineering Services	4,018,607	6,070,753	2,052,146
Sewer Operations	128,877,927	142,718,335	13,840,408
Sewerage - Capital and Debt Service	<u>187,495,016</u>	<u>558,689,371</u>	<u>371,194,355</u>
	\$ 366,023,073	\$ 759,909,915	\$ 393,886,842

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ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department, including training, public relations, safety, and public awareness programs. This group consists of eight (8) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Purchasing and the Contracts and Grants Division.

The **Public Affairs Division** is a consolidating of all existing “Public Relations” functions into a comprehensive Public Affairs Division with the primary responsibility of compiling and disseminating public information and materials relative to the department’s activities through audio visual, media relations, public relations, marketing, small business development and to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the department’s services and accomplishments and any concerns they may have regarding the Water and Sewerage Department. Public Affairs provides complete audio/visual services for DWSD, produces videotaped public service announcements for multimedia broadcast and coordinates the annual benefit basketball game. Also, the Detroit-Based/Small Business Enterprise (DBB/SBE) section monitors targeted enterprise participation on contracts which is mandated by Executive Orders and City Ordinances.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal and external customers. The division will be responsible for a comprehensive department wide program for Records Management, which includes, but not limited to: development and management program, records appraisal, retention and disposition, records protection, records and Information Management Technology.

The **Security Division** is responsible for providing a safe and secure working environment.

The **Office of Program Management (OPMA) Division** serves as an administrative support division for the Office of the Director; serves as the DWSD’s distribution center for information of various regulatory compliance documents relative to EPA, DOT, OSHA, MIOSHA, MDEQ, and other applicable legislative requirements; coordinates various regulatory reports that includes SARA Title III, MAERS, Process Safety Management Plans, Water Plants, NPDES Permits, Risk Management Plans; monitors and coordinates court related activities; selected special projects, such as, Invoice Processing; Measurement and Performance System Online Reporting; maintains a resource library; maintains Water and Wastewater Service Contracts and Agreements; coordinates and participates in education and outreach activities, and acts as a liaison between DWSD Divisions and regulatory agencies regarding regulatory and environmental issues. Other activities include administering the Department’s PCB/Mercury Minimization Program, Wastewater System Operational Plan, Environmental Response, Hazardous Waste Removal and Disposal, PCB Equipment Management, and the Underground and Aboveground Storage Tank Program.

The **Contracts and Grants Division** is divided into three (3) major sections: Consultant, Contracts, Construction Contracts/State Revolving Fund (SRF) Contracts, and Contracts Audit. Both Consultant, Construction/SRF sections prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Audits Section provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects.

The **Purchasing Division** has the major responsibility of coordinating the purchasing process both within the department and in serving as the liaison with the Finance Department’s Purchasing Division on the behalf of other departmental suborganizations.

The **Information Systems Management Division** centralizes and expands current system/software application LAN/WAN network, related technical and system hardware support services within the department. The department has migrated to a client-server open systems environment using an Oracle database platform which supports some of

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the existing applications/systems, and a few which are still functioning in the mainframe environment which interfaces with current city applications supported by ITS.

ACTIVITY GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. Provide adequate technical support services for department-wide information system applications, microcomputers/servers, network and database administrative functions and facilitate interfaces with city information system activities.

MAJOR INITIATIVES:

The newly created Public Affairs Division implemented a five-year development plan, which includes adding Marketing/Media Relations and Audiovisual to the Public Relations Division. A special emphasis has been placed on providing Local Economic Assistance to Detroit based and Small Businesses.

PLANNING FOR THE FUTURE:

Increased construction/maintenance activity will require additional DWSD staffing needs. Together with increased pressure for less "contracting out" of services, the DWSD will recruit, and develop a larger number of employees.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Goals: Measures	1998-99 Actual	1999-00 Actual	2000-01 Projection	2001-02 Target
Inform the public of agency operations:				
City populations served	1,027,794	1,027,794	1,027,794	951,270
Suburban populations served	2,060,510	2,046,882	2,046,882	2,046,882
City services	N/A	N/A	N/A	N/A
Suburban services	976,019	985,326	985,326	985,326
Obtain timely approvals of grant amendments and/or loan applications from State and Federal agencies:				
Number of grant applications/amendments	1	0	0	0
Value of grant applications/amendments	\$3,942,000	0	0	0
Number of State Revolving Loan Fund applications	1	4	1	1
Value of loan applications	\$2,475,000	\$184,230,000	\$250,465,000	\$83,691,000
Activity Costs	N/A	\$22,773,585	\$16,403,534	\$20,833,561

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$580,839	0	\$619,255	0	\$619,255
421020 - Public Relations	0	\$1,059,914	0	\$1,264,796	0	\$1,264,796
421030 - Document Management	0	\$158,827	0	\$220,902	0	\$220,902
421040 - General Staff Services	0	\$4,952,344	0	\$7,345,320	0	\$7,465,791
421050 - General Departmental Services	0	\$2,789,952	0	\$4,170,000	0	\$4,170,000
421060 - Human Resources	0	\$720,173	0	\$1,332,807	0	\$1,339,407
421070 - Safety	0	\$5,764	0	\$9,240	0	\$9,240
421080 - Security	0	\$2,873,400	0	\$2,731,704	0	\$2,731,704
421090 - Office of Program Management Assist	27	\$3,262,321	27	\$2,967,508	27	\$3,012,466
APPROPRIATION TOTAL	27	\$16,403,534	27	\$20,661,532	27	\$20,833,561
ACTIVITY TOTAL	27	\$16,403,534	27	\$20,661,532	27	\$20,833,561

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	4,021,756	3,748,770	3,774,718
EMPBENESL - Employee Benefi	1,409,990	1,387,578	1,411,952
PROFSVCSL - Professional/Con	2,924,200	3,010,000	3,010,000
OPERSUPSL - Operating Suppli	51,200	52,736	52,736
OPERSVCSL - Operating Servic	7,001,147	9,456,990	9,578,697
OTHEXPSSL - Other Expenses	995,241	3,005,458	3,005,458
<i>A42000 - Sewerage Department</i>	<i>16,403,534</i>	<i>20,661,532</i>	<i>20,833,561</i>
AC0542 - Administration Services	16,403,534	20,661,532	20,833,561
Grand Total	16,403,534	20,661,532	20,833,561

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of four (4) divisions which provide general accounting, commercial billing, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle and FAMIS systems, and performs other related tasks.

The **Commercial Division** is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, the Capital Improvement Program (CIP) activities, coordination of system revenue bond financing, and other related functions for the department

The **Word Processing Section** assists with some of the high volume assignments for the division, and department when necessary.

The **Internal Audit Division** was established and implemented in FY1997/98 to facilitate the department's internal efforts to perform operational audits of transactions, procedures, processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations were necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safe guard the department's assets.

GOALS:

1. To develop and implement fair, equitable water and sewage service rates and charges to all system customers using uniform rate methodologies.
2. Replace the Customer Billing and Information System to facilitate completely automated billing functions, increase employee training and initiate activities that will to improve revenue billing and collection efforts, and customer service.
3. Improve the integrity and timeliness of posting accounting transactions via the use of the City Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
4. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
5. Improve budgetary development and monitoring activities via use of enhanced technology (City Budget Resource and Support System – BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.
6. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safe guard the department's assets.

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ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

GOALS (cont.):

7. To develop and implement fair, equitable water and sewage service rates and charges to all system customers using uniform rate methodologies.
8. Replace the Customer Billing and Information System to facilitate completely automated billing functions, increase employee training and initiate activities that will improve revenue billing and collection efforts, and customer service.
9. Improve the integrity and timeliness of posting accounting transactions via the use of the Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
10. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
11. Improve budgetary development and monitoring activities via use of enhanced technology (Budget Resource and Support System – BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.
12. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safe guard the department's assets.

MAJOR INITIATIVES:

Financial Services Division has implemented the Budget Reporting and Support System (BRASS) allowing the DWSD to facilitate faster and more accurate budget forecasting. The system will deliver significant long-term savings to DWSD and the City of Detroit.

PLANNING FOR THE FUTURE:

The Core Business Systems when implemented will allow the electronic posting of customer payments within 24-48 hours, as opposed to the previous average of 7-10 days. This will represent significant savings in the Department's operating expenses.

CITY OF DETROIT
Sewerage
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service Financial Services Group	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Sen	0	\$231,972	0	\$237,358	0	\$237,358
422020 - Financial Administrative Services	0	\$1,076,300	0	\$1,158,569	0	\$1,158,569
422030 - Budget/Fiscal Reporting	0	\$2,183	0	\$2,288	0	\$2,288
422040 - Rates	0	\$1,852	0	\$1,962	0	\$1,962
422050 - Capital Improvement Program	0	\$1,349	0	\$1,408	0	\$1,408
422060 - Word Processing	0	\$1,349	0	\$1,408	0	\$1,408
422070 - Print Shop	0	\$110,986	0	\$114,937	0	\$114,937
422080 - General Accounting Administrative Se	0	\$1,538,107	0	\$1,788,234	0	\$1,788,234
422090 - Financial Reporting	0	\$180,400	0	\$180,400	0	\$180,400
422100 - Fixed Assets/Inventory/Payables	0	\$23,760	0	\$245,080	0	\$245,080
422110 - Cash Management	0	\$69,300	0	\$45,320	0	\$45,320
422120 - Commercial Operations Administrative	0	\$5,329,766	0	\$5,858,046	0	\$5,858,046
422130 - Customer Billing	0	\$125,500	0	\$150,000	0	\$150,000
422140 - Customer Service Detroit	0	\$27,250	0	\$31,300	0	\$31,300
422150 - Collections	0	\$29,350	0	\$22,503	0	\$22,503
422160 - Addressograph	0	\$560,581	0	\$565,860	0	\$565,860
422170 - Meter Reading	0	\$102,475	0	\$92,875	0	\$92,875
422180 - Information Systems Administrative S	0	\$2,618,614	0	\$2,362,012	0	\$2,362,012
422210 - Hardware	0	\$484,000	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$12,515,094	0	\$12,859,560	0	\$12,859,560
ACTIVITY TOTAL	0	\$12,515,094	0	\$12,859,560	0	\$12,859,560

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	6,037,680	6,644,397	6,644,397
EMPBENESL - Employee Benefi	2,629,993	2,727,131	2,727,131
OTHEXPSSL - Other Expenses	3,847,421	3,488,032	3,488,032
<i>A42000 - Sewerage Department</i>	<i>12,515,094</i>	<i>12,859,560</i>	<i>12,859,560</i>
AC1042 - Financial Services	12,515,094	12,859,560	12,859,560
Grand Total	12,515,094	12,859,560	12,859,560

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SEWERAGE SYSTEMS PHYSICAL ENVIRONMENT ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FACILITIES MANAGEMENT

Facilities and Materials Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five- (5) operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores, as well as storing or warehousing of any inventory for future distribution. This group is also responsible for vehicle fleet management operations.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission Materials Management recommends policies and procedures and executes approved policies and procedures regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving and transportation services for materials and equipment.

Plants, Grounds, Buildings and Mechanical Maintenance Division: Provide facilities centralized/major maintenance support assistance in the areas of all plants (water and wastewater), water booster stations, sewage pumping stations, customer service centers, maintenance/repair yard facilities and administrative buildings for the purposes of housekeeping, grounds keeping, electrical, mechanical, instrumental and other skilled or unskilled trades, as necessary. Similarly, provides a support base for equipment repair, calibration or replacement; particularly for heating, ventilation and air conditioning units, as well as for pumps, motors, valves and support appurtenances.

Meter Operations Division: Focuses on the meter reading function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

GOALS:

1. The Materials Management Division's goals are to improve customer satisfaction, improve stores/warehousing operations inventory levels, improve Item Master records, develop a specification catalog, establish target inventory service levels (i.e. reorder points), and balance inventory levels to budgeted cost.
2. The Plant, Buildings, Grounds and Mechanical Maintenance Division's goals are to improve pumping unit (i.e., pump and motor) equipment availability overall (i.e., water distribution and sewage transport systems), improve lawn/grounds maintenance service at water plants, booster stations, pumping stations, improve employees' safety at work locations/sites.
3. The Meter Operations Division's goals are to increase commercial/industrial (water) meter reading accuracy, i.e., improve billing and revenue collection stream, increase residential (water) meter reading accuracy, i.e. improve billing and revenue collection stream, improve all meters (water and sewage) accuracy.

MAJOR INITIATIVES:

Distribution mains with a high maintenance history continue to be replaced in the City of Detroit with particular emphasis on areas of the city, such as the Empowerment Zone, which are undergoing redevelopment. Upgrade Sewer Overflow Facilities Maintenance for new and existing detention basins and tunnels. Upgrade Computerization and control/instrumentation upgrades for the water and wastewater systems.

PLANNING FOR THE FUTURE:

Facilities Management intends to add new shifts to adequately cover purchasing and materials handling requirements for internal customers during the "off shift" hours. Vehicle management Operations upgrade.

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FACILITIES MANAGEMENT MEASURES AND TARGETS

Goals:	1998-99	1999-00	2000-01	2001-02
Measures	Actual	Actual	Projection	Target
Maintain accuracy of all water and sewerage flow measuring devices and meters in the system:				
Meters in service	277,500	277,500	277,500	277,500
Meters tested and repaired	46,500	46,500	46,500	46,500
Provide accurate and current records on all meter-related transactions:				
Meters installed	23,000	23,000	23,000	23,000
Meters removed	23,000	23,000	23,000	23,000
Maintain all department equipment and vehicles in operating condition:				
Vehicles in service	850	850	850	850
Acres maintained	1,395	1,395	1,395	1,395
Sites maintained	78	78	78	78
Gallons of fuel pumped	50,000	50,000	50,000	50,000
Salvage sales	57,000	57,000	57,000	57,000
Activity Costs	N/A	N/A	\$16,712,895	\$18,738,335

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Facilities Management Facilities Management	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Facilities Management						
424010 - Office of Assistant Director of Facilities	0	\$346,261	0	\$375,190	0	\$375,190
424020 - Materials Management Administration	0	\$2,001,878	0	\$2,427,353	0	\$2,427,353
424030 - Purchasing	0	\$47,200	0	\$86,343	0	\$86,343
424040 - Wastewater Treatment Plant Stores	0	\$36,900	0	\$50,295	0	\$50,295
424060 - Inventory Control	0	\$5,156	0	\$4,690	0	\$4,690
424070 - Inventory Audit	0	\$6,582	0	\$2,818	0	\$2,818
424080 - Meter Operations	0	\$2,064,352	0	\$1,949,126	0	\$1,949,126
424090 - Meter Records	0	\$2,450	0	\$3,203	0	\$3,203
424100 - Meter Shop Suburban	0	\$44,896	0	\$57,706	0	\$57,706
424110 - Meter Instrumentation Shop	0	\$56,779	0	\$65,431	0	\$65,431
424120 - Meter Shop Suburban	0	\$5,871,642	0	\$6,773,688	0	\$6,773,688
424130 - Ground Maintenance	0	\$43,440	0	\$54,215	0	\$54,215
424140 - Field Operations	0	\$2,922,450	0	\$3,729,775	0	\$3,729,775
424150 - Mechanical Maintenance	0	\$1,216,075	0	\$1,238,860	0	\$1,238,860
424190 - Water Board Building	0	\$2,046,834	0	\$1,919,642	0	\$1,919,642
APPROPRIATION TOTAL	0	\$16,712,895	0	\$18,738,335	0	\$18,738,335
ACTIVITY TOTAL	0	\$16,712,895	0	\$18,738,335	0	\$18,738,335

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC1542 - Facilities Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	7,821,953	8,891,510	8,891,510
EMPBENESL - Employee Benefi	3,407,226	3,451,850	3,451,850
OPERSUPSL - Operating Suppli	109,000	36,850	36,850
OPERSVCSL - Operating Servic	58,205	6,200	6,200
CAPEQUPSL - Capital Equipmei	1,650	0	0
CAPOUTLSL - Capital Outlays/N	500	500	500
OTHEXPSSL - Other Expenses	5,314,361	6,351,425	6,351,425
<i>A42000 - Sewerage Department</i>	<i>16,712,895</i>	<i>18,738,335</i>	<i>18,738,335</i>
AC1542 - Facilities Management	16,712,895	18,738,335	18,738,335
Grand Total	16,712,895	18,738,335	18,738,335

SEWERAGE (42)

ENGINEERING SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES-SEWERAGE

Engineering Services provides engineering services to the remaining other four- (4) operational groups within the department. The Engineering Services consists of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Construction, Wastewater Design, Facilities Design, Water & Sewer Systems and Field Engineering and CSO Groups. A description of each group follows:

The **Engineering Administration** is headed by the General Manager of Engineering Services who acts as advisory for the Division's engineering and contract administration functions. Prosecution of the day-to-day engineering/contract activities are guided by the General and Assistant Superintendents of Engineering. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Construction Group** inspects construction and alterations of the Wastewater Treatment Plant buildings and equipment for contract conformance. Design documents and this Group reviews drawings in coordination with the Wastewater Design Group.

The **Wastewater Design Group** directs and coordinates the preparation of design reports, cost estimates and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff for projects related to the wastewater system.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities (excluding the Wastewater Treatment Plant).

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections; Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction inspection for compliance of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations to check conformance to accepted standards; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the "Miss Dig" system.

The **CSO Group** directs and coordinates the preparation or design reports, cost estimates and plans and specification by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these Divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all Federal, State and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

MAJOR INITIATIVES:

Design/build/maintain contract to construct a new 240-MGD water treatment facility. Invest in the water system to make the most of all water sales in Detroit and sales to suburban wholesale customers.

SEWERAGE (42)

PLANNING FOR THE FUTURE:

Through the Engineering Division, DWSD expects to continue to invest in the improvement of water and sewer systems.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Sewage	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Enginee	0	\$169,686	0	\$66,564	0	\$66,564
423020 - Engineering Administrative Services	234	\$3,377,176	256	\$3,264,519	256	\$5,106,560
423030 - Field Engineering Group	0	\$51,951	0	\$74,916	0	\$74,916
423040 - Wastewater Design	0	\$54,101	0	\$83,393	0	\$83,393
423050 - Sewerage System	0	\$51,951	0	\$74,913	0	\$74,913
423080 - Contracts and Grants	0	\$313,742	0	\$664,407	0	\$664,407
APPROPRIATION TOTAL	234	\$4,018,607	256	\$4,228,712	256	\$6,070,753
ACTIVITY TOTAL	234	\$4,018,607	256	\$4,228,712	256	\$6,070,753

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,968,530	2,934,181	5,143,767
EMPBENESL - Employee Benefi	566,586	814,662	447,117
PROFSVCSL - Professional/Con	424,360	437,092	437,092
OPERSUPSL - Operating Suppli	223,154	233,217	233,217
OPERSVCSL - Operating Servic	532,998	493,829	493,829
OTHEXPSSL - Other Expenses	(697,021)	(684,269)	(684,269)
<i>A42000 - Sewerage Department</i>	4,018,607	4,228,712	6,070,753
AC2042 - Engineering Services - Sewage	4,018,607	4,228,712	6,070,753
Grand Total	4,018,607	4,228,712	6,070,753

SEWERAGE (42)

SEWER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWER OPERATIONS

Sewerage Plant Operations consists of the Wastewater Treatment Plant and the Industrial Waste Control Division.

A description of each group follows:

1. The Wastewater Treatment Plant is operated on a 24 hour-per-day basis. Operations at the Plant include the removal and disposal of solids collected from sewage, disinfection of the wastewater effluent, analysis of wastewater and industrial waste samples to insure compliance with various ordinances, laws, the plant's National Pollutant Discharge Elimination System (NPDES) Permit, and performance of maintenance tasks on plant equipment.
2. The Industrial Waste Control Division regulates the discharge of wastewater into the Sewerage System from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuance of permits with applicable requirements and controls, and enforcement of the City of Detroit Ordinance 23-86, 34-96, and applicable Federal and State laws.

GOALS:

Wastewater Treatment Plant

1. The WWTP will start-up and operate new equipment.
2. The WWTP will coordinate ongoing and new CIP construction projects that significantly impact the operation of the WWTP.
3. Following the completion of a major WWTP training assessment, the WWTP will begin to implement necessary changes to the training program. This effort will be coordinated in conjunction with contract PC-744.
4. The WWTP will continue to aggressively participate in the DRMS implementation process.
5. The WWTP will continue to implement the Cultural Change process.
6. Implementation of the LIMS to automate data handling at the Analytical Lab.
7. Ongoing renovation of the HVAC system to ensure capability of the laboratory to handle increased use of fume hoods and changing analytical testing needs.
8. The WWTP will continue to rectify the WWTP CIP Program. PC-744 includes an interactive process that supports this planning effort.
9. The Work Management Group is in its nascent stages.
10. The lease for MCHT will expire in 2009; a new laboratory facility is needed and a capital project is being defined.

Industrial Waste Control

1. To implement a complete regulatory control program of all non-domestic wastewater released to the Detroit Sewerage System.
2. To initiate appropriate enforcement actions to remedy non-complying discharges, including administrative and legal actions.
3. To protect and preserve the local environment of the City of Detroit and Southeastern Michigan.

MAJOR INITIATIVES:

Throughout FY2000, the Department made great progress in complying with the second amended consent judgement intended to achieve long-term compliance at the Wastewater Treatment Plant. Specifics include:

1. A series of capital improvements to the Wastewater Treatment Plant.
2. Upgrading the procurement process to ensure timely delivery of treatment chemicals and other supplies
3. Implementation of PC-744, or Program Manager.
4. Implementation of training programs for Wastewater Treatment Plant personnel

SEWERAGE (42)

PLANNING FOR THE FUTURE:

Wastewater Treatment Plant

1. The WWTP will continue to evaluate and, if required, integrate the Minergy project or other beneficial reuse possibilities.
2. WWTP staffing and organizational issues will continue to be addressed in Contract PC-744.
3. The WWPT will continue to update plant wide needs assessment, a planning tool is currently in Revision O.

Industrial Waste Control

1. Develop Pollution Prevention Program Plans for other Industrial groups.
2. Develop Stormwater Management/Regulation Program Plan for Commercial and Industrial facilities.
3. Develop FOG/Restaurant Grease Control Program.

SEWERAGE (42)

SEWER OPERATIONS MEASURES AND TARGETS

Goals: Measures	1998-99 Actual	1999-00 Actual	2000-01 Projection	2001-02 Target
Meet all Federal, State and local requirements for the clean air and clean water standards:				
Average sewage pumped per day (MGD)	634	621	660	675
Sludge produced (wet tons)	663,000	735,700	717,500	740,200
Tons of materials incinerated (wet)	448,560	509,200	645,700	681,100
Implement a complete regulatory control program of all non-domestic wastewater released into the sewerage system:				
Number of facility inspections	847	900	900	900
Number of wastewater permits	418	465	425	425
Initiate appropriate enforcement actions to remedy no-complying discharges:				
Number of enforcement notices and violations	282	350	300	300
Number of compliance and administrative hearings	104	50	50	50
Number of civil actions initiated	5	6	4	4
Value of penalties/fees assessed	\$412,197	\$300,000	\$350,000	350,000
Protect and preserve the local environment of the city and Southeastern Michigan:				
Number of samples collected	7,322	9,000	8,500	8,500
Number of permits revoked	0	2	1	1
Activity Costs	N/A	\$127,660,858	\$128,877,927	\$142,718,335

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	8	\$703,444	8	\$829,361	8	\$819,417
425020 - Plant Administration	1091	\$57,410,077	1081	\$58,989,588	1081	\$68,793,613
425030 - Analytical Laboratory	0	\$1,216,300	0	\$1,231,000	0	\$1,231,000
425040 - Control System Engineering	0	\$347,000	0	\$710,000	0	\$710,000
425050 - Computer Services	0	\$1,673,500	0	\$1,862,500	0	\$1,862,500
425060 - Document Control	0	\$75,000	0	\$167,400	0	\$167,400
425070 - Treatment Plant Maintenance	0	\$8,157,000	0	\$8,637,967	0	\$8,637,967
425080 - Operations Laboratory	0	\$423,000	0	\$6,674,750	0	\$6,674,750
425090 - Plant Engineering	0	\$35,000	0	\$10,000	0	\$10,000
425100 - Process Engineering	0	\$11,880,414	0	\$11,184,548	0	\$11,184,548
425110 - Training	0	\$105,000	0	\$21,100	0	\$21,100
425120 - Treatment Operations	0	\$25,911,000	0	\$21,874,459	0	\$21,874,459
425130 - Industrial Waste Control Administratio	0	\$644,700	0	\$736,906	0	\$736,906
425140 - I. W. C. Field Monitoring	117	\$8,353,013	127	\$6,957,220	127	\$7,121,458
425150 - I. W. C. Program Operations	0	\$1,525,500	0	\$559,501	0	\$2,059,301
425160 - System Control Center	0	\$2,037,650	0	\$1,979,029	0	\$1,979,029
425230 - Brennan Pools	0	\$2,125,000	0	\$2,175,000	0	\$2,175,000
425320 - Chesterfield	0	\$371,175	0	\$0	0	\$0
425330 - Maintenance & Repair	0	\$5,708,002	0	\$5,582,929	0	\$5,582,929
425340 - East Yard	0	\$19,593	0	\$24,242	0	\$24,242
425350 - West Yard	0	\$19,593	0	\$22,425	0	\$22,425
425360 - North Yard	0	\$19,593	0	\$19,102	0	\$19,102
425370 - Maint - Heavy Repair	0	\$19,593	0	\$999,782	0	\$999,782
425380 - Central Service Facility	0	\$97,780	0	\$11,407	0	\$11,407
APPROPRIATION TOTAL	1216	\$128,877,927	1216	\$131,260,216	1216	\$142,718,335
ACTIVITY TOTAL	1216	\$128,877,927	1216	\$131,260,216	1216	\$142,718,335

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	55,505,023	53,258,373	64,494,340
EMPBENESL - Employee Benefi	12,880,919	13,296,214	12,031,066
PROFSVCSL - Professional/Con	21,622,964	17,685,828	18,685,728
OPERSUPSL - Operating Suppli	8,958,750	15,249,647	15,249,647
OPERSVCSL - Operating Servic	27,164,700	27,587,980	28,075,380
CAPOUTLSL - Capital Outlays/I	720,000	750,000	750,000
OTHEXPSSL - Other Expenses	2,025,571	3,432,174	3,432,174
<i>A42000 - Sewerage Department</i>	<i>128,877,927</i>	<i>131,260,216</i>	<i>142,718,335</i>
AC2542 - Sewer Operations	128,877,927	131,260,216	142,718,335
Grand Total	128,877,927	131,260,216	142,718,335

SEWERAGE (42)

SEWERAGE - CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWERAGE - CAPITAL PROGRAM

The capital program for the Sewage Disposal System is a five year plan devoted to replacing, rehabilitating, or improving existing process facilities at the Wastewater Treatment Plant; construction or installation of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construction of retention basins and other sewer overflow (CSO) control measures throughout the combined sewer system; replacement of suburban sewage primary measuring devices; replacing or relining deteriorated lateral sewers in the City of Detroit; installing new sewers or re-routing existing sewers to accommodate new development in the Empowerment Zone and throughout the City of Detroit; automating the meter reading function; and upgrading the instrumentation and process control equipment for the Wastewater Treatment Plant and the sewage collection system.

ACTIVITY GOALS:

To provide essential, efficient and user-friendly services by:

1. Continuing to improve, expand, and rehabilitate the Wastewater Treatment Plant to provide a cost and energy efficient sewage treatment facility that meets all water and air quality standards.
2. Continuing to construct combined sewer retention basins, rehabilitate and improve sewage pumping stations and implement other measures for the containment of combined sewer overflow, thereby reducing the frequency and magnitude of combined sewer overflows to the Detroit and Rouge Rivers.
3. Continuing to construct those interceptor and control facilities needed to adequately service all customers, and replacing and rehabilitating suburban wholesale customer primary measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace those lateral sewers in the City of Detroit which are deteriorated or are of insufficient capacity to service customers.
5. Continuing to computerize various wastewater functions to reduce costs and improve operations.

SEWERAGE (42)

SEWERAGE - CAPITAL MEASURES AND TARGETS

Goals: Measures	1998-99 Actual	1999-00 Actual	2000-01 Projection	2001-02 Target
Continue the expansion and improvement of the Wastewater Treatment Plant to provide a cost and energy efficient treatment facility which meets all water and air effluent Standards:				
Number of capital projects – Wastewater Treatment Plant	32	40	90	104
Value of capital projects – Wastewater Treatment Plant	37,464,000	106,344,000	187,744,000	231,570,000
Continue to operate and expand facilities for the containment of combined sewer Overflows, reducing spills to receiving waters:				
Number of capital projects – not at Wastewater Treatment Plant	30	31	28	31
Value of capital projects - not at Wastewater Treatment Plant	43,093,000	35,040,000	87,262,000	80,981,000
Continue to construct those interceptor and control facilities needed to adequately service all customers:				
Number of capital projects	12	10	9	9
Value of capital projects	4,721,000	401,000	16,573,000	13,496,000
Computerize system processes and functions to improve efficiency and reduce costs through planning and administration:				
Number of capital projects	13	8	36	46
Value of capital projects	12,598,000	7,246,000	22,101,000	45,789,000
Replace those in-City lateral sewers which require an inordinate amount of maintenance or are of insufficient capacity to service customers:				
Number of capital projects	8	7	8	5
Value of capital projects	5,340,000	6,124,000	10,637,000	27,212,000
Total number of ongoing projects	95	96	171	195
Total value of ongoing projects	\$103,216,000	\$155,155,000	\$324,317,000	\$399,048,000
Activity Costs	\$104,545,914	\$76,043,570	\$187,495,016	\$558,689,371

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund	2000-01 Redbook		2001-02 Dept Final Request		2001-02 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$79,103,200	0	\$92,824,000	0	\$92,824,000
APPROPRIATION TOTAL	0	\$79,103,200	0	\$92,824,000	0	\$92,824,000
00169 - Sewerage System Improvements						
424160 - Purchases-Automotive	0	\$2,824,000	0	\$3,082,000	0	\$3,082,000
424180 - Purchases-General	0	\$5,607,009	0	\$5,418,000	0	\$5,418,000
427030 - Sewerage System Improvements	0	\$15,033,707	0	\$24,205,400	0	\$10,803,171
APPROPRIATION TOTAL	0	\$23,464,716	0	\$32,705,400	0	\$19,303,171
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$886,100	0	\$1,020,700	0	\$1,020,700
APPROPRIATION TOTAL	0	\$886,100	0	\$1,020,700	0	\$1,020,700
04168 - Sewage Bond Fund						
427050 - Sewerage Bond Fund Construction	0	\$82,302,600	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$82,302,600	0	\$0	0	\$0
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$1,738,400	0	\$1,850,500	0	\$1,850,500
APPROPRIATION TOTAL	0	\$1,738,400	0	\$1,850,500	0	\$1,850,500
10267 - 1999 Sewerage Bond Series						
427115 - Sewerage Construction Bond Fund Series	0	\$0	0	\$443,691,000	0	\$443,691,000
APPROPRIATION TOTAL	0	\$0	0	\$443,691,000	0	\$443,691,000
ACTIVITY TOTAL	0	\$187,495,016	0	\$572,091,600	0	\$558,689,371

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriations - Summary Objects

	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipmei	8,431,009	8,500,000	8,500,000
FIXEDCHGSL - Fixed Charges	79,103,200	92,824,000	92,824,000
OTHEXPSSL - Other Expenses	99,960,807	470,767,600	457,365,371
<i>A42000 - Sewerage Department</i>	<i>187,495,016</i>	<i>572,091,600</i>	<i>558,689,371</i>
AC3042 - Sewerage - Capital and Debt Ser	187,495,016	572,091,600	558,689,371
Grand Total	187,495,016	572,091,600	558,689,371

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriation Summary - Revenues

	1999-00 Actuals	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
00759 - Sewage Bond Reserve					
461100 - Earnings On Investmer	3,249,796	0	0	0	0
00759 - Sewage Bond Reserve	3,249,796	0	0	0	0
00838 - State Revenue Sharing - State Revolv F					
461100 - Earnings On Investmer	767,065	0	0	0	0
522110 - Project Borrowings	0	0	83,691,000	83,691,000	83,691,000
00838 - State Revenue Sharing - State	767,065	0	83,691,000	83,691,000	83,691,000
00891 - Sewage Bond Fund Series 1993A					
461100 - Earnings On Investmer	530,915	0	0	0	0
00891 - Sewage Bond Fund Series 19	530,915	0	0	0	0
00956 - Sewage Bond Fund Series 1995A					
461100 - Earnings On Investmer	216,177	0	0	0	0
00956 - Sewage Bond Fund Series 19	216,177	0	0	0	0
00984 - Sewage Bond Fund Series 1997A					
461100 - Earnings On Investmer	4,323,691	0	0	0	0
00984 - Sewage Bond Fund Series 19	4,323,691	0	0	0	0
04828 - Revenue - Sewerage Receiving					
440100 - Maintenance & Constr	200	0	0	0	0
441100 - Other Labors And Mate	0	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	5,616	0	0	0	0
447230 - Sewage Disposal	268	0	0	0	0
447235 - Sewage Hi-Str Surchar	3,303,746	0	0	0	0
447245 - Monitor's Fee - lwc	335,342	0	0	0	0
447250 - Sewage Treatment Sal	79,113,908	111,103,739	126,062,888	126,062,888	14,959,149
447255 - Sewage Treatment - W	110,852,085	137,701,727	143,188,866	143,188,866	5,487,139
447260 - Pollutant Surcharges	1,786,288	2,651,152	2,825,557	2,825,557	174,405
447280 - Sewage Hi-Str Surchar	6,401,023	0	0	0	0
447285 - Sewage Disposal -Dep	1,235,344	0	0	0	0
447300 - Other Utility Revenue	7,072,714	0	0	0	0
448115 - Other Fees	228,320	2,900,000	3,400,000	3,400,000	500,000
448170 - Other Fee-Shut Off-Tur	94,069	0	0	0	0
461100 - Earnings On Investmer	366,248	75,000	75,000	75,000	0
462100 - Rental-Public Bldgs & S	244	0	0	0	0
472100 - Other Forfeits And Pen	2,910,970	0	0	0	0
472150 - Other Miscellaneous	69,843	0	0	0	0
472220 - Ng Check Service Chai	29,081	0	0	0	0
474100 - Miscellaneous Receipts	69,450	19,498,455	21,346,604	21,346,604	1,848,149

CITY OF DETROIT
Budget Development for FY 2001 - 2002
Appropriation Summary - Revenues

	1999-00 Actuals	2000-01 Redbook	2001-02 Dept Final Request	2001-02 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
04828 - Revenue - Sewerage Receiving					
474130 - Misc Recpts-Cash Ove	278	0	0	0	0
04828 - Revenue - Sewerage Receivii	213,875,037	274,530,073	297,498,915	297,498,915	22,968,842
04829 - Revenue - Sewerage Operation - Mainte					
461100 - Earnings On Investmer	50,287	1,408,800	1,468,100	1,468,100	59,300
465100 - Gain Or (Loss)-Sale Of	79,068	0	0	0	0
04829 - Revenue - Sewerage Operatic	129,355	1,408,800	1,468,100	1,468,100	59,300
00162 - Wastewater Plant Operations					
441110 - Other Lbr & Matl Meter	10,122	0	0	0	0
474100 - Miscellaneous Receipts	48,654	0	0	0	0
00162 - Wastewater Plant Operations	58,776	0	0	0	0
00168 - Interest and Bond Redemption					
461100 - Earnings On Investmer	663,015	5,942,100	6,188,200	6,188,200	246,100
00168 - Interest and Bond Redemptioi	663,015	5,942,100	6,188,200	6,188,200	246,100
00169 - Sewerage System Improvements					
461100 - Earnings On Investmer	558,336	148,900	677,300	677,300	528,400
00169 - Sewerage System Improveme	558,336	148,900	677,300	677,300	528,400
00443 - Extraordinary Repairs and Replacement					
461100 - Earnings On Investmer	1,510,881	1,690,600	1,761,800	1,761,800	71,200
00443 - Extraordinary Repairs and Re	1,510,881	1,690,600	1,761,800	1,761,800	71,200
04168 - Sewage Bond Fund					
461100 - Earnings On Investmer	0	8,775,600	0	0	(8,775,600)
522110 - Project Borrowings	0	73,527,000	0	0	(73,527,000)
04168 - Sewage Bond Fund	0	82,302,600	0	0	(82,302,600)
10267 - 1999 Sewerage Bond Series					
461100 - Earnings On Investmer	8,877,128	0	8,624,600	8,624,600	8,624,600
522100 - Sale Of Bonds	0	0	360,000,000	360,000,000	360,000,000
10267 - 1999 Sewerage Bond Series	8,877,128	0	368,624,600	368,624,600	368,624,600
A42000 - Sewerage Department	234,760,172	366,023,073	759,909,915	759,909,915	393,886,842
Grand Total	234,760,172	366,023,073	759,909,915	759,909,915	393,886,842

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00089 - Administration			
421090 - Office of Program Management Ass			
Librarian II - Arts Reference	1	1	1
Inter Governmental Analyst	3	3	3
Admin Asst GD I - DWSD	0	1	1
Principal Governmental Analyst	2	2	2
Eng Support Specialist I	1	1	1
Messenger	1	1	1
Principal Clerk	2	2	2
Sr Asst Civil Eng - Wastewater	1	1	1
Senior Typist	2	3	3
Clerk	2	0	0
Admin Asst GD III	0	1	1
Head Clerk	0	1	1
Typist	2	3	3
Admin Asst GD IV	1	1	1
Admin Asst GD I	1	0	0
Sr Governmental Analyst	3	3	3
Head Clerk	1	0	0
Publicist II	1	1	1
Admin Asst GD II - DWSD	1	1	1
Engineer of Water Systems	1	1	1
Admin Asst GD III - DWSD	1	0	0
Total Office of Program Management Assista	27	27	27
Total Administration	27	27	27
00162 - Wastewater Plant Operations			
425010 - Office of Assistant Director of Wast			
Head Eng - Water Sys-Operation	1	1	1
Engineer of Wastewater Systems	1	1	1
Proc Control Center Supervisor	1	1	1
Senior Typist	0	1	1
Office Management Assistant	1	0	0
Asst Dir -DWSD Wastewater Oper	0	1	1

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00162 - Wastewater Plant Operations			
425010 - Office of Assistant Director of Wastewater			
General Manager - DWSD	1	0	0
Head Governmental Analyst	3	3	3
Total Office of Assistant Director of Wastewater	8	8	8
425020 - Plant Administration			
Drafting Technician II	3	0	0
Assoc Chem Eng-Wastewater Sys	3	0	0
Park Maintenance Helper	4	4	4
Park Maintenance Foreman	2	0	0
Finish Carpenter	0	4	4
Park Maintenance Sub-Foreman	1	1	1
Senior Analytical Chemist	13	13	13
Plumber	0	29	29
Building Attendant A	30	30	30
Plumber	29	0	0
Mech Helper - General	15	15	15
Asst Super Meter Operations	1	0	0
Plant Maintenance Mechanic	57	57	57
Bricklayer	0	4	4
Analytical Chemist	42	42	42
Office Management Assistant	0	4	4
Office Management Assistant	4	0	0
Principal Clerk	3	3	3
Sewage Plant Maintenance Sprv	1	2	2
Admin Sprv - Ind Waste Ctrl	1	0	0
Plant Maintenance Foreman	21	21	21
Supervising Bldg Attendant I	0	2	2
Head Clerk	3	0	0
Steamfitter	3	0	0
Master Plumber	1	0	0
Senior Stenographer	1	1	1
Bricklayer	4	0	0

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Park Maintenance Foreman	0	2	2
Maintenance Millwright	13	0	0
Indus Waste Control Mgr	1	0	0
Eng Support Specialist I	1	1	1
Drafting Technician II	0	3	3
Drafting Technician III	1	0	0
Inter Data Proc Prog Analyst	7	7	7
Sr Data Proc Prog Analyst	9	9	9
Sr Governmental Analyst	4	2	2
Senior Typist	16	16	16
Principal Training Specialist	2	2	2
Wastewater Systems Trng Sprv	1	1	1
Senior Training Specialist	2	2	2
Associate Civil Eng - Design	10	10	10
Elect Repair Worker - General	11	11	11
Sr Promotional Activities Asst	1	1	1
Prin Data Proc Prog Analyst	4	4	4
General Machinist	1	1	1
Electrical Helper	4	4	4
Senior Building Attendant	2	2	2
Delivery - Driver	3	3	3
Construction Equip Operator	2	2	2
Plant Maintenance Sub-Foreman	24	24	24
Elect Worker - General	32	32	32
Elect Worker Sub-Foreman	7	7	7
Elect Worker Foreman	2	2	2
Asst Chief - WWTP	1	2	2
Chief Sewage Plant Engineer	1	1	1
Sewage Plant Attendant	128	128	128
Sewage Plant Operator	130	130	130
Sr Sewage Plant Operator	12	12	12

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Asst Head Sewage Plant Oper	79	79	79
Head Sewage Plant Operator	26	26	26
Sewage Plant Supervisor	7	7	7
Asst Sewage Plant Oper Super	1	1	1
Sewage Plant Opr Super	1	2	2
Wastewater Plant General Sprv	1	1	1
Wastewater Process Controller	11	11	11
Master Plumber	0	1	1
Head Clerk	0	3	3
Admin Specialist I	1	1	1
Vehicle Operator I	4	4	4
Assoc Elect Eng - Design	4	4	4
Repair Mechanic	34	34	34
Control Instru Tech -Foreman	2	2	2
Plant Maintenance Sr Foreman	7	7	7
Cont Instr Tech Sub-Foreman-Wa	10	10	10
Engineer of Water Systems	6	6	6
Water Sys Cntrl Instr Tech	34	34	34
Supervising Bldg Attendant I	2	0	0
Manager II - DWSD	1	1	1
Steamfitter	0	3	3
Senior Clerk	34	34	34
Finish Carpenter	1	0	0
Building Operator II	12	12	12
Wastewater Treatment Plant Tec	8	8	8
Sr Assoc Elect Eng - Waste	7	7	7
HVAC Systems Repair Tech	2	4	4
Park Maintenance Worker	6	6	6
General Welder	4	4	4
Maintenance Millwright	0	13	13
Assoc Architectural Engineer	1	1	1

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Sewage Plant Laboratory Sprv	2	2	2
Sr Assoc Mech Eng - Waste	3	3	3
Admin Asst GD I - DWSD	0	2	2
Eng Support Specialist II	3	3	3
Senior Microbiologist	1	1	1
Senior Water Systems Chemist	13	13	13
Assoc Mech Eng -Wastewater Sys	9	9	9
Drafting Technician III	0	1	1
Water Systems Chemist	47	47	47
Water Systems Laboratory Tech	12	0	0
Water Systems Laboratory Aid	3	3	3
Drafting Technician IV	1	1	1
Sr Assoc Civil Eng - Waste	5	5	5
Microbiologist	5	5	5
Water/Wastewater Sys Maint Eng	1	1	1
Asst Sewage Plant Lab Sprv	5	5	5
Preventive Maintenance Coord	1	1	1
Total Plant Administration	1,091	1,081	1,081
425140 - I. W. C. Field Monitoring			
Water Systems Investigator	15	15	15
Asst Water Sys Investigator	15	15	15
Assoc Chem Eng-Wastewater Sys	13	13	13
Sr Asst Chemical Engineer	13	0	0
Park Maintenance Worker	0	1	1
Sr Asst Chem Eng Indus Waste	0	13	13
Head Eng - Water Sys - Design	1	1	1
Engineer of Water Systems	1	1	1
Database Administrator	1	1	1
Environmental Specialist III	0	4	4
Principal Governmental Analyst	1	2	2
Sr Governmental Analyst	4	4	4

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
00162 - Wastewater Plant Operations			
425140 - I. W. C. Field Monitoring			
Office Management Assistant	0	2	2
Senior Stenographer	1	1	1
Environmental Specialist II	0	4	4
Senior Typist	3	3	3
Typist	2	2	2
Admin Asst GD II - DWSD	1	1	1
Admin Specialist I	1	1	1
Head Constr Inspector - DWSD	2	2	2
Admin Sprv - Ind Waste Ctrl	1	0	0
Head Clerk	0	1	1
Head Clerk	1	0	0
Principal Clerk	2	2	2
Eng Support Specialist II	7	9	9
Senior Clerk	4	4	4
Clerk	1	1	1
Manager I - DWSD	0	1	1
Manager II - DWSD	0	1	1
Indus Waste Control Mgr	1	0	0
Chemical Engineer	2	2	2
Water Sys Cntrl Instr Tech	6	2	2
Plant Maintenance Sr Foreman	2	2	2
Bldg Oper Sprv - Grade II	0	1	1
Bldg Oper Sprv - Grade I	1	0	0
Senior Building Attendant	1	1	1
Sr Assoc Chem Eng-Indust Waste	4	4	4
Building Attendant A	2	2	2
Sprv Industrial Waste	2	2	2
Sr Indus Wastewater System	6	6	6
Total I. W. C. Field Monitoring	117	127	127
Total Wastewater Plant Operations	1,216	1,216	1,216

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Sr Asst Mech Eng - Design	1	1	1
Sr Asst Mech Eng - Wastewater	6	6	6
Assistant Mechanical Engineer	1	1	1
Electrical Eng - Design	1	1	1
Sewer Safety Inspector	3	3	3
Sr Assoc Elect Eng - Design	5	6	6
Assoc Elect Eng - Design	9	9	9
Sr Asst Elect Eng - Wastewater	8	8	8
Sr Asst Elect Eng - Design	1	1	1
Asst Sewer Safety Inspector	1	1	1
Assistant Electrical Engineer	1	1	1
Head Civil Eng - Field	1	1	1
Head Eng - Water Sys - Design	1	1	1
Engineer of Water Systems	5	5	5
Sewer Safety Helper	10	10	10
Sr Assoc Civil Eng - Design	16	17	17
Associate Civil Eng - Design	25	27	27
Sr Asst Civil Eng - Wastewater	16	17	17
Assistant Civil Engineer	3	3	3
Drafting Technician IV	1	1	1
Permit Investigating Clerk-Wat	0	2	2
Sr Geo Info Sys Supp Tech	0	3	3
Junior Governmental Analyst	1	2	2
Senior Typist	5	6	6
Student Eng - Grade II Civil	1	1	1
Drafting Technician III	0	20	20
Typist	7	7	7
Principal Clerk	2	2	2
Sewer Inspector - Video Equip	3	3	3
Senior Clerk	3	3	3
Clerk	5	6	6

CITY OF DETROIT
MAYOR'S 2001/2002 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2000 2001 FTE	FY 2001 2002 FTE	2001 2002 FTE
Classification			
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Asst Sewer Inspector -Video Eq	3	3	3
Drafting Technician III	20	0	0
Head Constr Inspector - DWSD	3	3	3
Prin Construct Inspector-DWSD	6	6	6
Eng Support Specialist II	5	6	6
Sr Construction Inspector	26	31	31
Eng Support Specialist I	5	7	7
Sewer Systems Sprv Insp	1	1	1
Sr Assoc Mech Eng - Design	7	7	7
Assoc Mech Eng - Design	10	11	11
Construction Inspector	6	6	6
Total Engineering Administrative Services	234	256	256
Total Engineering Services - Sewage	234	256	256
Agency Total	1,477	1,499	1,499